

JAN 60047

Access DB# \_\_\_\_\_

# SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: R. G. TOMEN Examiner #: 69630 Date: 2/11/02  
 Alt. Name: 1623 Phone Number 30 8-0732 Serial Number: 09/695,807  
 Mail Box and Day Room Location: 8819 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*  
 Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: \_\_\_\_\_

*\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

JAN

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 (STIC)

Jan Delaval  
 Reference Librarian  
 Biotechnology & Chemical Library  
 CM1 1E07 - 703-308-4498  
 jan.delaval@uspto.gov

## STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>Jan</u>	NA Sequence (#) _____	STN <u>✓</u>
Searcher Phone #: <u>2498</u>	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) <u>✓</u>	Questel/Orbit _____
Date Searcher Picked Up: <u>2/20/02</u>	Bibliographic <u>✓</u>	Dr. Link _____
Date Completed: <u>2/26/02</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: _____	Fulltext _____	Sequence Systems _____
Clerical Prep Time: <u>15</u>	Patent Family _____	WWW/Internet _____
Online Time: <u>145</u>	Other _____	Other (specify) _____

=> fil reg

FILE 'REGISTRY' ENTERED AT 16:32:18 ON 26 FEB 2002  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2002 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 25 FEB 2002 HIGHEST RN 395638-68-3  
DICTIONARY FILE UPDATES: 25 FEB 2002 HIGHEST RN 395638-68-3

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES  
for more information. See STNote 27, Searching Properties in the CAS  
Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

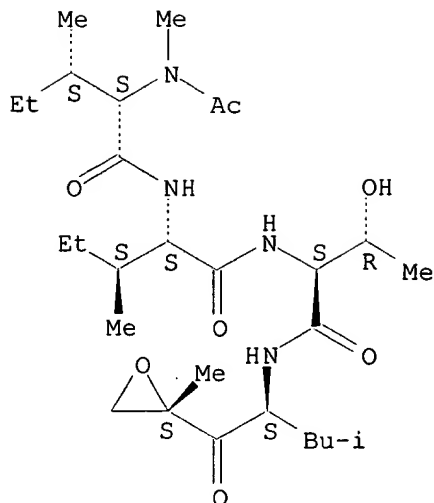
The P indicator for Preparations was not generated for all of the  
CAS Registry Numbers that were added to the H/Z/CA/CAPLUS files between  
12/27/01 and 1/23/02. Use of the P indicator in online and SDI searches  
during this period, either directly appended to a CAS Registry Number  
or by qualifying an L-number with /P, may have yielded incomplete results.  
As of 1/23/02, the situation has been resolved. Also, note that searches  
conducted using the PREP role indicator were not affected.

Customers running searches and/or SDIs in the H/Z/CA/CAPLUS files  
incorporating CAS Registry Numbers with the P indicator between 12/27/01  
and 1/23/02, are encouraged to re-run these strategies. Contact the  
CAS Help Desk at 1-800-848-6533 in North America or 1-614-447-3698,  
worldwide, or send an e-mail to [help@cas.org](mailto:help@cas.org) for further assistance or to  
receive a credit for any duplicate searches.

=> d ide can tot 122

L22 ANSWER 1 OF 13 REGISTRY COPYRIGHT 2002 ACS  
RN 247068-94-6 REGISTRY  
CN L-Threoninamide, N-acetyl-N-methyl-L-isoleucyl-L-isoleucyl-N-[(1S)-3-  
methyl-1-[(2S)-2-methyloxiranyl]carbonyl]butyl]- (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C28 H50 N4 O7  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.

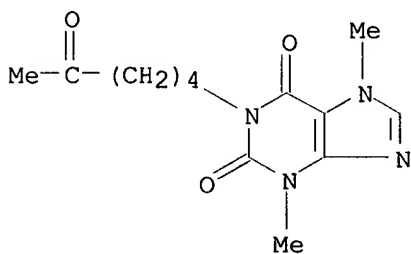


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 131:299679

L22 ANSWER 2 OF 13 REGISTRY COPYRIGHT 2002 ACS  
RN 222174-99-4 REGISTRY  
CN 1H-Purine-2,6-dione, 3,7-dihydro-3,7-dimethyl-1-(5-oxohexyl)-,  
monohydrochloride (9CI) (CA INDEX NAME)  
MF C13 H18 N4 O3 . Cl H  
SR CA  
LC STN Files: CA, CAPLUS, TOXLIT  
CRN (6493-05-6)



● HCl

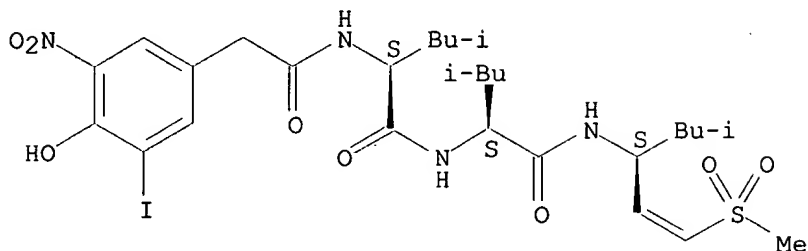
1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 130:272102

L22 ANSWER 3 OF 13 REGISTRY COPYRIGHT 2002 ACS  
RN 211518-46-6 REGISTRY  
CN L-Leucinamide, N-[(4-hydroxy-3-iodo-5-nitrophenyl)acetyl]-L-leucyl-N-[(1S)-  
3-methyl-1-[2-(methylsulfonyl)ethenyl]butyl]- (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C28 H43 I N4 O8 S  
SR CA

LC STN Files: CA, CAPLUS

Absolute stereochemistry.  
Double bond geometry unknown.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 129:172314

L22 ANSWER 4 OF 13 REGISTRY COPYRIGHT 2002 ACS

RN 193482-49-4 REGISTRY

CN L-Leucinamide, N-[(4-hydroxy-3-iodo-5-nitrophenyl)acetyl]-L-leucyl-N-[(1S)-3-methyl-1-[(1E)-2-(methylsulfonyl)ethenyl]butyl]- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN NLVS

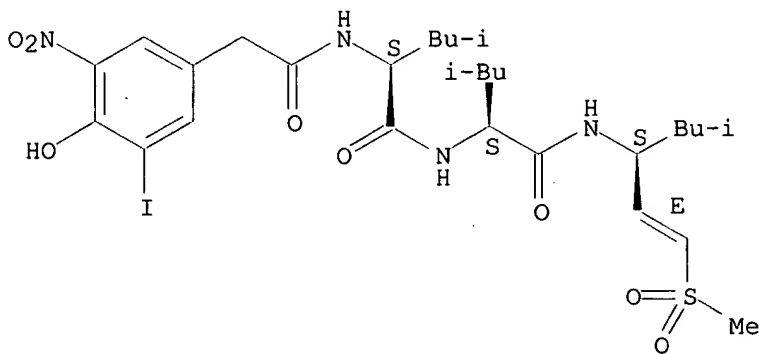
FS STEREOSEARCH

MF C28 H43 I N4 O8 S

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, TOXLIT

Absolute stereochemistry.  
Double bond geometry as shown.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

4 REFERENCES IN FILE CA (1967 TO DATE)  
4 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 135:193203

REFERENCE 2: 134:320576

REFERENCE 3: 134:278290

REFERENCE 4: 127:146407

L22 ANSWER 5 OF 13 REGISTRY COPYRIGHT 2002 ACS

RN 179324-69-7 REGISTRY

CN Boronic acid, [(1R)-3-methyl-1-[[[(2S)-1-oxo-3-phenyl-2-[(pyrazinylcarbonyl)amino]propyl]amino]butyl]- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Boronic acid, [3-methyl-1-[[[1-oxo-3-phenyl-2-[(pyrazinylcarbonyl)amino]propyl]amino]butyl]-, [S-(R\*,S\*)]-

OTHER NAMES:

CN MG 341

CN PS 341

CN PS 341 (pharmaceutical)

FS STEREOSEARCH

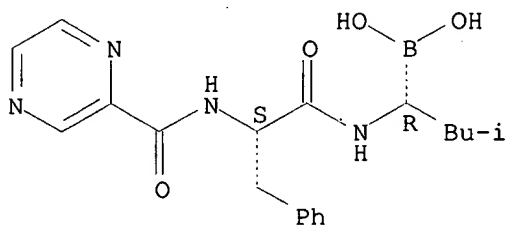
DR 197730-97-5

MF C19 H25 B N4 O4

SR CA

LC STN Files: BIOSIS, BIOTECHNO, CA, CAPLUS, DRUGNL, DRUGUPDATES, EMBASE, PHAR, TOXCENTER, TOXLIT, USPAT2, USPATFULL

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

28 REFERENCES IN FILE CA (1967 TO DATE)

28 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 135:368634

REFERENCE 2: 135:356458

REFERENCE 3: 135:338896

REFERENCE 4: 135:338821

REFERENCE 5: 135:205090

REFERENCE 6: 135:205079

REFERENCE 7: 135:174873

REFERENCE 8: 135:102128

REFERENCE 9: 135:504

REFERENCE 10: 134:331618

L22 ANSWER 6 OF 13 REGISTRY COPYRIGHT 2002 ACS

RN 158442-41-2 REGISTRY

CN L-Alaninamide, N-[(phenylmethoxy)carbonyl]-L-isoleucyl-L-.alpha.-glutamyl-N-[(1S)-1-formyl-3-methylbutyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

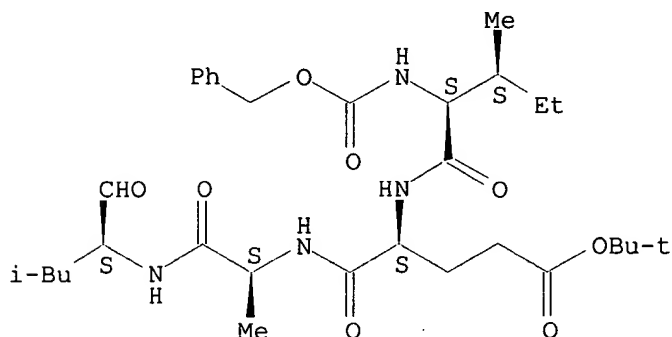
OTHER CA INDEX NAMES:

CN L-Alaninamide, N-[(phenylmethoxy)carbonyl]-L-isoleucyl-L-.alpha.-glutamyl-N-[1-formyl-3-methylbutyl]-, 1,1-dimethylethyl ester, (S)-

OTHER NAMES:

CN 1: PN: WO0002548 PAGE: 29 claimed sequence  
CN PSI  
CN PSI (proteasome inhibitor)  
FS PROTEIN SEQUENCE; STEREOSEARCH  
MF C32 H50 N4 O8  
SR CA  
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, TOXLIT, USPATFULL

Absolute stereochemistry.



23 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
23 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 136:90902  
REFERENCE 2: 135:316891  
REFERENCE 3: 135:271620  
REFERENCE 4: 135:236171  
REFERENCE 5: 135:205090  
REFERENCE 6: 135:71280  
REFERENCE 7: 134:331618  
REFERENCE 8: 134:51000  
REFERENCE 9: 134:40634  
REFERENCE 10: 133:317578

L22 ANSWER 7 OF 13 REGISTRY COPYRIGHT 2002 ACS

RN 154333-21-8 REGISTRY

CN L-Cysteine, N-acetyl-, 3-hydroxy-2-(1-hydroxy-2-methylpropyl)-4-methyl-5-oxo-2-pyrrolidinecarboxylate (ester), [2R-[2.alpha.,2(S\*),3.beta.,4.beta.]]- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN (6R,7S)-lactacystin

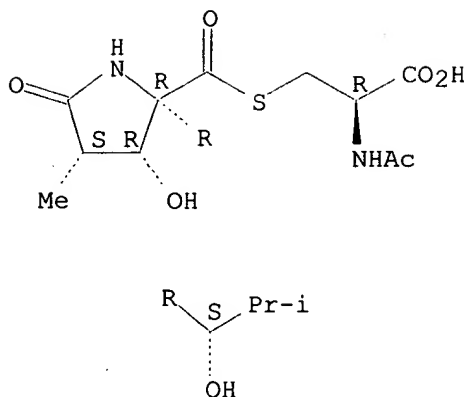
FS STEREOSEARCH

MF C15 H24 N2 O7 S

SR CA

LC STN Files: BIOTECHNO, CA, CAPLUS, EMBASE, TOXLIT

Absolute stereochemistry. Rotation (+).



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1967 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 121:26250

REFERENCE 2: 120:245711

L22 ANSWER 8 OF 13 REGISTRY COPYRIGHT 2002 ACS

RN 154006-00-5 REGISTRY

CN L-Cysteine, N-acetyl-, 3-hydroxy-2-(1-hydroxy-2-methylpropyl)-4-methyl-5-oxo-2-pyrrolidinecarboxylate (ester), [2R-[2.alpha.,2(S\*),3.beta.,4.alpha.]]- (9CI) (CA INDEX NAME)

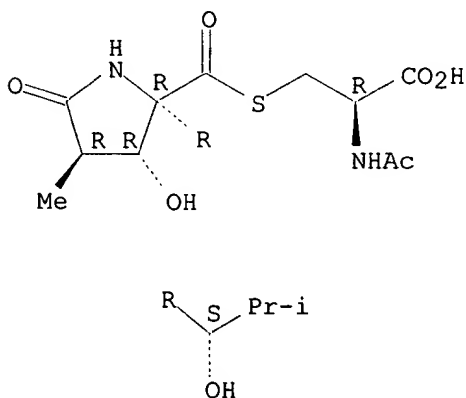
FS STEREOSEARCH

MF C15 H24 N2 O7 S

SR CA

LC STN Files: CA, CAPLUS, TOXLIT

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1967 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 121:26250

REFERENCE 2: 120:218453

L22 ANSWER 9 OF 13 REGISTRY COPYRIGHT 2002 ACS

RN 134381-21-8 REGISTRY

CN L-Threoninamide, N-acetyl-N-methyl-L-isoleucyl-L-isoleucyl-N-[(1S)-3-methyl-1-[[[(2R)-2-methyloxiranyl]carbonyl]butyl]- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN BU 4061T

CN Epoxomicin

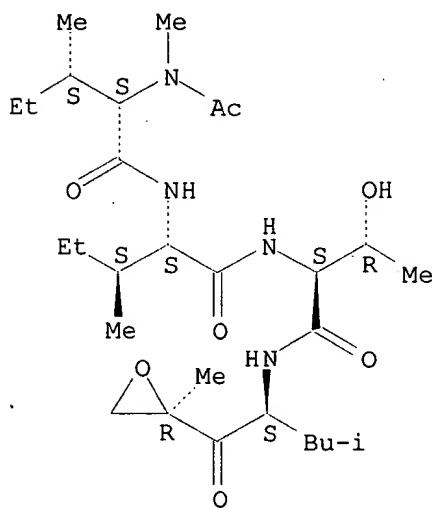
FS STEREOSEARCH

MF C28 H50 N4 O7

SR CA

LC STN Files: AGRICOLA, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CEN, CHEMCATS, CSCHEM, EMBASE, MEDLINE, SYNTHLINE, TOXCENTER, TOXLIT, USPATFULL

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

12 REFERENCES IN FILE CA (1967 TO DATE)

12 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 135:254547

REFERENCE 2: 135:42638

REFERENCE 3: 134:331618

REFERENCE 4: 134:128358

REFERENCE 5: 133:148873

REFERENCE 6: 132:216387

REFERENCE 7: 132:160826

REFERENCE 8: 132:89911

REFERENCE 9: 131:306864

REFERENCE 10: 131:299679

L22 ANSWER 10 OF 13 REGISTRY COPYRIGHT 2002 ACS

RN 133398-98-8 REGISTRY

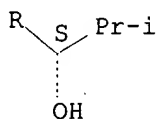
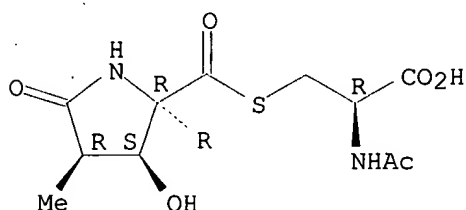
CN L-Cysteine, N-acetyl-, 3-hydroxy-2-(1-hydroxy-2-methylpropyl)-4-methyl-5-

oxo-2-pyrrolidinecarboxylate (ester), monohydrate, [2R-[2.alpha.,2(S\*),3.alpha.,4.alpha.]]- (9CI) (CA INDEX NAME)

## OTHER NAMES:

CN Lactacystin monohydrate  
 FS STEREOSEARCH  
 MF C15 H24 N2 O7 S . H2 O  
 SR CA  
 LC STN Files: BIOTECHNO, CA, CAPLUS, EMBASE  
 CRN (133343-34-7)

Absolute stereochemistry. Rotation (+).



● H2O

1 REFERENCES IN FILE CA (1967 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 114:185957

L22 ANSWER 11 OF 13 REGISTRY COPYRIGHT 2002 ACS

RN 133343-34-7 REGISTRY

CN L-Cysteine, N-acetyl-, (2R,3S,4R)-3-hydroxy-2-[(1S)-1-hydroxy-2-methylpropyl]-4-methyl-5-oxo-2-pyrrolidinecarboxylate (ester) (9CI) (CA INDEX NAME)

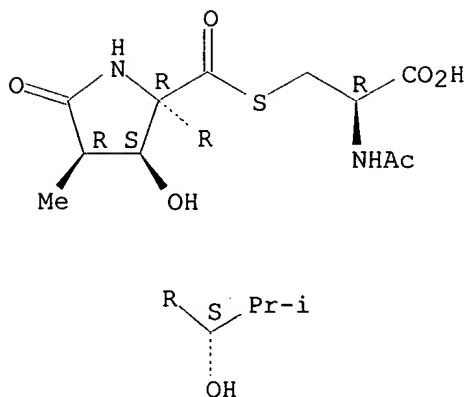
## OTHER CA INDEX NAMES:

CN L-Cysteine, N-acetyl-, 3-hydroxy-2-(1-hydroxy-2-methylpropyl)-4-methyl-5-oxo-2-pyrrolidinecarboxylate (ester), [2R-[2.alpha.,2(S\*),3.alpha.,4.alpha.]]-

## OTHER NAMES:

CN (+)-Lactacystin  
 CN Lactacystin  
 FS STEREOSEARCH  
 MF C15 H24 N2 O7 S  
 CI COM  
 SR CA  
 LC STN Files: AGRICOLA, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMINFORMRX, CSCHEM, EMBASE, MEDLINE, PHAR, PROMT, SYNTHLINE, TOXCENTER, TOXLIT, USPAT2, USPATFULL

Absolute stereochemistry. Rotation (+).



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

173 REFERENCES IN FILE CA (1967 TO DATE)

13 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

175 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 136:128735

REFERENCE 2: 136:116599

REFERENCE 3: 136:79790

REFERENCE 4: 136:67345

REFERENCE 5: 136:63726

REFERENCE 6: 136:31378

REFERENCE 7: 136:15055

REFERENCE 8: 135:352382

REFERENCE 9: 135:344727

REFERENCE 10: 135:327142

L22 ANSWER 12 OF 13 REGISTRY COPYRIGHT 2002 ACS

RN 90318-15-3 REGISTRY

CN Thiocyanic acid, calcium salt, compd. with 3,7-dihydro-3,7-dimethyl-1-(5-oxohexyl)-1H-purine-2,6-dione (1:2) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-Purine-2,6-dione, 3,7-dihydro-3,7-dimethyl-1-(5-oxohexyl)-, compd. with calcium dithiocyanate (2:1) (9CI)

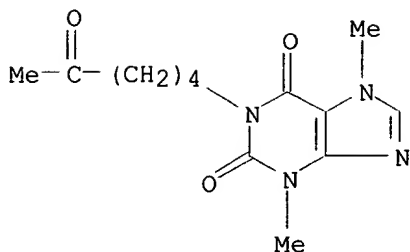
MF C13 H18 N4 O3 . 1/2 C H N S . 1/4 Ca

LC STN Files: CA, CAPLUS, TOXLIT

CM 1

CRN 6493-05-6

CMF C13 H18 N4 O3



CM 2

CRN 2092-16-2 (463-56-9)

CMF C H N S . 1/2 Ca

HS-C≡N

● 1/2 Ca

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 100:203363

L22 ANSWER 13 OF 13 REGISTRY COPYRIGHT 2002 ACS

RN 6493-05-6 REGISTRY

CN 1H-Purine-2,6-dione, 3,7-dihydro-3,7-dimethyl-1-(5-oxohexyl)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Theobromine, 1-(5-oxohexyl)- (7CI, 8CI)

OTHER NAMES:

CN 1-(5-Oxohexyl)-3,7-dimethylxanthine

CN 1-(5-Oxohexyl)theobromine

CN 3,7-Dihydro-3,7-dimethyl-1-(5-oxohexyl)-1H-purine-2,6-dione

CN 3,7-Dimethyl-1-(5-oxohexyl)-1H,3H-purin-2,6-dione

CN 3,7-Dimethyl-1-(5-oxohexyl)xanthine

CN Agapurin Retard

CN BL 191

CN Dimethyloxohexylxanthine

CN Oxpentifylline

CN Pentoxifyllin

CN Pentoxifylline

CN Pentoxiphyllin

CN Pentoxiphylline

CN Pentoxyfilline

CN Pentoxyphyllin

CN PTX

CN Torental

CN Trental

FS 3D CONCORD

MF C13 H18 N4 O3

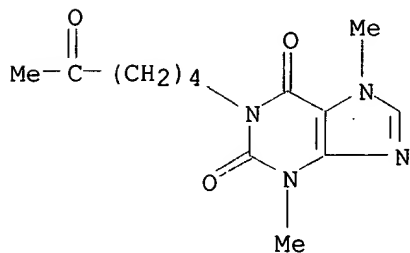
CI COM

LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*,  
 BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS,  
 CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DIOGENES,  
 DRUGNL, DRUGPAT, DRUGU, DRUGUPDATES, EMBASE, IPA, MEDLINE, MRCK\*,  
 NIOSHTIC, PHAR, PHARMASEARCH, PROMT, RTECS\*, SPECINFO, SYNTHLINE,  
 TOXCENTER, TOXLIT, USAN, USPATFULL, VETU

(\*File contains numerically searchable property data)

Other Sources: EINECS\*\*, WHO

(\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1751 REFERENCES IN FILE CA (1967 TO DATE)

20 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

1756 REFERENCES IN FILE CAPLUS (1967 TO DATE)

2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 136:139929

REFERENCE 2: 136:130865

REFERENCE 3: 136:130072

REFERENCE 4: 136:128648

REFERENCE 5: 136:123773

REFERENCE 6: 136:123633

REFERENCE 7: 136:113169

REFERENCE 8: 136:112580

REFERENCE 9: 136:112521

REFERENCE 10: 136:112385

=> d 149 ide can

L49 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS

RN 140879-24-9 REGISTRY

CN Proteinase, multicatalytic (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 26 S Protease

CN Immunoproteasome

CN Large multicatalytic protease

CN Multicatalytic protease

CN Multicatalytic proteinase

CN Multicatalytic proteinase complex

CN Organelle, proteasome

CN Prosome

CN **Proteasome**

CN Tricorn protease

CN Tricorn proteinase

MF Unspecified

CI MAN

SR CA

LC STN Files: ADISNEWS, AGRICOLA, BIOBUSINESS, BIOSIS, CA, CAPLUS, CEN, CIN, PROMT, TOXCENTER, TOXLIT, USPAT2, USPATFULL

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

2932 REFERENCES IN FILE CA (1967 TO DATE)

23 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

2943 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 136:132941

REFERENCE 2: 136:132159

REFERENCE 3: 136:132090

REFERENCE 4: 136:132074

REFERENCE 5: 136:132072

REFERENCE 6: 136:131314

REFERENCE 7: 136:130660

REFERENCE 8: 136:130531

REFERENCE 9: 136:130479

REFERENCE 10: 136:129395

=> d 162 ide can

L62 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS

RN 9004-07-3 REGISTRY

CN **Chymotrypsin (9CI)** (CA INDEX NAME)

OTHER NAMES:

CN .alpha.-Chymotrypsin

CN .alpha.-Chymotrypsin A

CN .gamma.-Chymotrypsin A

CN Alpha chymar

CN Alpha-chymar ophth

CN Avazyme

CN Chymar

CN Chymotest

CN Chymotrypsin A

CN Chymotrypsin A.alpha.

CN Chymotrypsin B

CN Chymotrypsin P

CN E.C. 3.4.21.1

CN E.C. 3.4.4.5

CN E.C. 3.4.4.6

CN Enzeon

CN Quimar

CN Quimotrase

DR 8049-46-5, 9025-29-0, 9062-30-0, 9067-81-6

MF Unspecified

CI COM, MAN

LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DIOGENES, DRUGU, EMBASE, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, NIOSHTIC, PIRA, PROMT, RTECS\*, TOXCENTER, TOXLIT, USAN, USPATFULL, VTB

(\*File contains numerically searchable property data)

Other Sources: EINECS\*\*, TSCA\*\*, WHO

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

10382 REFERENCES IN FILE CA (1967 TO DATE)

649 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

## 10394 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 136:139909  
REFERENCE 2: 136:135011  
REFERENCE 3: 136:134785  
REFERENCE 4: 136:131925  
REFERENCE 5: 136:131227  
REFERENCE 6: 136:130736  
REFERENCE 7: 136:130639  
REFERENCE 8: 136:130617  
REFERENCE 9: 136:130611  
REFERENCE 10: 136:130197

=> d 163 ide can

L63 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS

RN 9002-07-7 REGISTRY

CN **Trypsin (8CI, 9CI)** (CA INDEX NAME)

OTHER NAMES:

CN Cocoonase

CN E.C. 3.4.21.4

CN E.C. 3.4.4.4

CN Parenzyme

CN Parenzymol

CN Pseudotrypsin

CN PTN

CN PTN 3.0 Special

CN PTN 3.0S

CN PTN 6.0S

CN Sperm receptor hydrolase

CN Tripcellim

CN Tryptar

CN Tryptec Formula 4X

CN Tryptec Formula One

CN Trypture

DR 9068-82-0, 146990-35-4, 213972-07-7, 214265-38-0

MF Unspecified

CI COM, MAN

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO,  
CA, CABA, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST,  
CIN, CSCHEM, DDFU, DIOGENES, DRUGU, EMBASE, HSDB\*, IFICDB, IFIPAT,  
IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, NIOSHTIC, PIRA, PROMT,  
RTECS\*, TOXCENTER, TOXLIT, USPAT2, USPATFULL, VTB

(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

15433 REFERENCES IN FILE CA (1967 TO DATE)

729 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

15454 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 136:140275

REFERENCE 2: 136:139909

REFERENCE 3: 136:139894  
REFERENCE 4: 136:134785  
REFERENCE 5: 136:133871  
REFERENCE 6: 136:132187  
REFERENCE 7: 136:131925  
REFERENCE 8: 136:131227  
REFERENCE 9: 136:131222  
REFERENCE 10: 136:131140

=> d 164 ide can

L64 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS  
RN 9035-81-8 REGISTRY  
CN **Trypsin inhibitor (9CI)** (CA INDEX NAME)  
OTHER NAMES:  
CN Antitrypsin  
CN MR 20  
DR 9056-47-7, 143640-11-3  
MF Unspecified  
CI MAN  
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO,  
CA, CAPLUS, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM, EMBASE, IFICDB,  
IFIPAT, IFIUDB, IPA, MEDLINE, MSDS-OHS, NAPRALERT, PHAR, PROMT,  
TOXCENTER, TOXLIT, USPATFULL  
Other Sources: EINECS\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

4472 REFERENCES IN FILE CA (1967 TO DATE)  
127 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
4475 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 136:131539  
REFERENCE 2: 136:131189  
REFERENCE 3: 136:131085  
REFERENCE 4: 136:123657  
REFERENCE 5: 136:117610  
REFERENCE 6: 136:117536  
REFERENCE 7: 136:112690  
REFERENCE 8: 136:95619  
REFERENCE 9: 136:84909  
REFERENCE 10: 136:82854

=> d 165 ide can

L65 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS  
RN 141256-43-1 REGISTRY  
CN **Chymotrypsin inhibitor (9CI)** (CA INDEX NAME)

## OTHER NAMES:

CN Antichymotrypsin

MF Unspecified

CI MAN

SR CA

LC STN Files: ADISNEWS, AGRICOLA, BIOBUSINESS, BIOSIS, CA, CAPLUS, CIN,  
CSCHEM, PROMT, TOXCENTER, TOXLIT, USPATFULL

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

227 REFERENCES IN FILE CA (1967 TO DATE)

8 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

227 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 136:131539

REFERENCE 2: 136:131077

REFERENCE 3: 136:130611

REFERENCE 4: 136:117610

REFERENCE 5: 136:97313

REFERENCE 6: 136:83954

REFERENCE 7: 136:18054

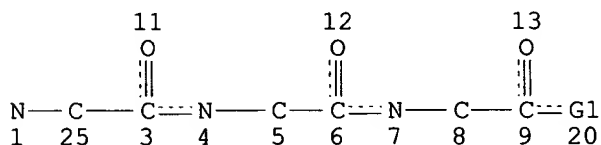
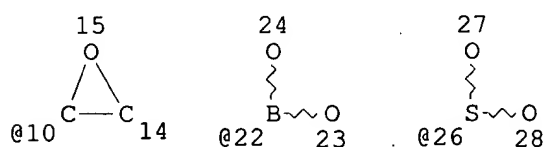
REFERENCE 8: 136:4866

REFERENCE 9: 135:354457

REFERENCE 10: 135:238471

=&gt; d sta que 146

L2 STR



VAR G1=10/22/26

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

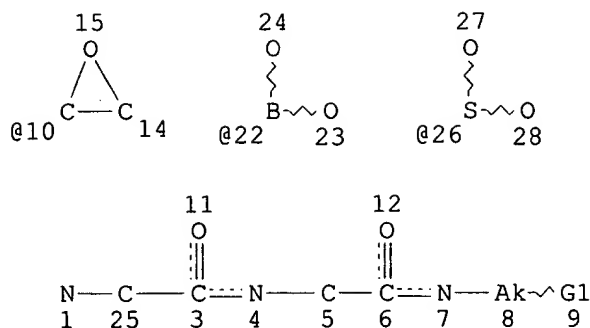
GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 22

STEREO ATTRIBUTES: NONE

L43 STR



VAR G1=10/22/26

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 20

STEREO ATTRIBUTES: NONE

L45 1047 SEA FILE=REGISTRY SSS FUL L43

L46 44 SEA FILE=REGISTRY SUB=L45 SSS FUL L2

100.0% PROCESSED 64 ITERATIONS

44 ANSWERS

SEARCH TIME: 00.00.05

=> d his

(FILE 'HOME' ENTERED AT 14:49:27 ON 26 FEB 2002)  
SET COST OFF

FILE 'REGISTRY' ENTERED AT 14:49:41 ON 26 FEB 2002  
ACT GITOMER3/Q

L1 STR

L2 STR L1

L3 3 S L2  
ACT GITOMER1/A

L4 (	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	6493-05-6
L5 (	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	133343-34-7
L6 (	19)SEA FILE=REGISTRY ABB=ON	PLU=ON	C15H24N2O7S/MF
L7 (	6)SEA FILE=REGISTRY ABB=ON	PLU=ON	L6 AND NC4/ES AND 1/NR
L8 (	3)SEA FILE=REGISTRY ABB=ON	PLU=ON	L7 NOT (T/ELS OR GLYCINE)
L9 (	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	134381-21-8
L10 (	9)SEA FILE=REGISTRY ABB=ON	PLU=ON	C28H50N4O7/MF
L11 (	3)SEA FILE=REGISTRY ABB=ON	PLU=ON	L10 AND OC2/ES AND 1/NR
L12 (	2)SEA FILE=REGISTRY ABB=ON	PLU=ON	L11 NOT T/ELS
L13 (	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	179324-69-7
L14 (	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	C19H25BN4O4/MF AND NC2NC2/ES
L15 (	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	158442-41-2
L16 (	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	193482-49-4
L17 (	3)SEA FILE=REGISTRY ABB=ON	PLU=ON	C28H43IN4O8S/MF
L18 (	2)SEA FILE=REGISTRY ABB=ON	PLU=ON	L17 NOT 125I
L19 (	10)SEA FILE=REGISTRY ABB=ON	PLU=ON	(L4 OR L5 OR L8 OR L9 OR L12
L20 (	16)SEA FILE=REGISTRY ABB=ON	PLU=ON	(133343-34-7/CRN OR 134381-21
L21 (	3)SEA FILE=REGISTRY ABB=ON	PLU=ON	L20 NOT MXS/CI
L22	13 SEA FILE=REGISTRY ABB=ON	PLU=ON	(L19 OR L21)

-----  
 ACT GITOMER2/A  
 -----

L23 ( 1)SEA FILE=REGISTRY ABB=ON PLU=ON 6493-05-6  
 L24 ( 1)SEA FILE=REGISTRY ABB=ON PLU=ON 133343-34-7  
 L25 ( 19)SEA FILE=REGISTRY ABB=ON PLU=ON C15H24N2O7S/MF  
 L26 ( 6)SEA FILE=REGISTRY ABB=ON PLU=ON L25 AND NC4/ES AND 1/NR  
 L27 ( 3)SEA FILE=REGISTRY ABB=ON PLU=ON L26 NOT (T/ELS OR GLYCINE)  
 L28 ( 1)SEA FILE=REGISTRY ABB=ON PLU=ON 134381-21-8  
 L29 ( 9)SEA FILE=REGISTRY ABB=ON PLU=ON C28H50N4O7/MF  
 L30 ( 3)SEA FILE=REGISTRY ABB=ON PLU=ON L29 AND OC2/ES AND 1/NR  
 L31 ( 2)SEA FILE=REGISTRY ABB=ON PLU=ON L30 NOT T/ELS  
 L32 ( 1)SEA FILE=REGISTRY ABB=ON PLU=ON 179324-69-7  
 L33 ( 1)SEA FILE=REGISTRY ABB=ON PLU=ON C19H25BN4O4/MF AND NC2NC2/ES  
 L34 ( 1)SEA FILE=REGISTRY ABB=ON PLU=ON 158442-41-2  
 L35 ( 1)SEA FILE=REGISTRY ABB=ON PLU=ON 193482-49-4  
 L36 ( 3)SEA FILE=REGISTRY ABB=ON PLU=ON C28H43IN4O8S/MF  
 L37 ( 2)SEA FILE=REGISTRY ABB=ON PLU=ON L36 NOT 125I  
 L38 ( 10)SEA FILE=REGISTRY ABB=ON PLU=ON (L23 OR L24 OR L27 OR L28 OR  
 L39 ( 16)SEA FILE=REGISTRY ABB=ON PLU=ON (133343-34-7/CRN OR 134381-21  
 L40 ( 3)SEA FILE=REGISTRY ABB=ON PLU=ON L39 NOT MXS/CI  
 L41 ( 13)SEA FILE=REGISTRY ABB=ON PLU=ON (L38 OR L40)  
 L42 13 SEA FILE=REGISTRY ABB=ON PLU=ON L39 NOT L41

-----  
 L43 STR L2  
 L44 26 S L43  
 L45 1047 S L43 FUL  
 SAV TEMP L45 GIT695/A  
 L46 44 S L2 FUL SUB=L45  
 SAV L46 TEMP GIT695A/A

FILE 'HCAPLUS' ENTERED AT 14:59:22 ON 26 FEB 2002

L47 18 S L46  
 L48 6 S L47 AND (PY<=1998 OR PRY<=1998 OR AY<=1998)

FILE 'REGISTRY' ENTERED AT 15:00:57 ON 26 FEB 2002

L49 1 S PROTEASOME/CN

FILE 'HCAPLUS' ENTERED AT 15:01:56 ON 26 FEB 2002

L50 1978 S L22  
 L51 3402 S EPOXOMICIN# OR EPOXOMYCIN# OR PS341 OR PS 341 OR NLVS OR PSI(  
 L52 4932 S L50,L51  
 L53 3680 S L52 AND (PY<=1998 OR PRY<=1998 OR AY<=1998)  
 L54 2944 S L49  
 L55 4899 S PROTEASOME OR PROTEASOMAL OR PROSOME OR (26S OR 26 (L) S) (L) (  
 L56 762 S MULTICATALYTIC(L) (PROTEASE OR PROTEINASE)  
 L57 2353 S L54-L56 AND (PY<=1998 OR PRY<=1998 OR AY<=1998)  
 L58 11475 S (NF OR NUCLEAR FACTOR) (L)KAPPA(L)B  
 L59 5285 S L58 AND (PY<=1998 OR PRY<=1998 OR AY<=1998)  
 L60 21843 S CHYMOTRYPSIN#  
 L61 29724 S (CHYMOTRYPSIN# OR TRYPSIN#) (L)INHIBIT?

FILE 'REGISTRY' ENTERED AT 15:08:54 ON 26 FEB 2002

L62 1 S CHYMOTRYPSIN/CN  
 L63 1 S TRYPSIN/CN  
 L64 1 S TRYPSIN INHIBITOR/CN  
 L65 1 S CHYMOTRYPSIN INHIBITOR/CN

FILE 'HCAPLUS' ENTERED AT 15:09:40 ON 26 FEB 2002

L66 47840 S L62-L65,L60,L61 AND (PY<=1998 OR PRY<=1998 OR AY<=1998)  
 E BONE/CT  
 E E3+ALL  
 L67 74053 S E7+NT  
 L68 67540 S E9,E8+NT  
 L69 3091 S E56+NT  
 L70 12455 S E59+NT

L71 44766 E E58+ALL  
 S E3+NT  
 E OSTEOPOROS/CT  
 E E4+ALL  
 L72 5970 S E6+NT  
 E JOINT/CT  
 E E6+ALL  
 L73 6687 S E6,E5+NT  
 E JOINT/CT  
 E E5+ALL  
 L74 899 S E2  
 L75 259778 S ?OSTEOPORO? OR BONE OR ?HYPERPARATHYROID? OR ?PERIODONT? OR  
 E BONE RESORPTION/CT  
 E E4+ALL  
 L76 366 S E2  
 E BONE GROWTH/CT  
 L77 47715 S HAIR OR ALOPEC? OR BALDNESS OR BALD OR BALDING  
 L78 221 S L53 AND L67-L77  
 L79 42 S L57 AND L67-L77  
 L80 234 S L59 AND L67-L77  
 L81 1223 S L66 AND L67-L77  
 L82 12 S L78 AND L79-L81  
 L83 11 S L79 AND L80-L81  
 L84 3 S L80 AND L81  
 L85 21 S L82-L84  
 L86 1 S L85 AND ARTHRITIC JOINT  
 L87 1 S L85 AND OSTEOCLAST  
 L88 2 S L86,L87  
 L89 0 S L48 AND L67-L77  
 L90 92 S L78 AND (BONE OR OSTEOPOR?)  
 L91 52 S L90 AND BONE#/CW  
 L92 18 S L91 AND (1 OR 63)/SC,SX  
 L93 7481 S L57,L59  
 L94 245 S L93 AND L53  
 L95 55 S L94 AND (1 OR 63)/SC  
 L96 54 S L95 NOT (MUNDY ? OR GARRETT ? OR ROSSINI ?)/AU  
 L97 2 S L88 AND L47,L48,L50-L61,L66-L96

FILE 'BIOSIS' ENTERED AT 15:36:43 ON 26 FEB 2002

L98 5545 S L52  
 L99 237 S L98 AND 1800#/CC  
 L100 87 S L98 AND 22012/CC  
 L101 211 S L99,L100 AND PY<=1998  
 L102 106 S L101 AND L22,L42  
 L103 0 S L101 AND L46  
 L104 3442 S PENTOXIFYLLIN? OR LACTACYSTIN? OR EPOXOMICIN? OR EPOXOMYCIN?  
 L105 24 S PENTOXIFYLLIN?  
 L106 82 S PENTOXIPHYLLIN? OR PENTOXYPHYLLIN?  
 L107 265 S TRENTAL  
 L108 44 S OXPENTIFYLLIN? OR OXPENTIPHYLLIN?  
 L109 3703 S L22,L104-L108  
 L110 127 S L109 AND 1800#/CC  
 L111 77 S L109 AND 22012/CC  
 L112 164 S L110,L111  
 L113 119 S L112 AND PY<=1998  
 L114 119 S L102,L113  
 L115 1 S L114 AND LONG BONE  
 E MUNDY G/AU  
 L116 445 S E3,E7,E9-E11  
 E GARRETT I/AU  
 L117 44 S E4-E6  
 E GARRETT R/AU  
 L118 44 S E3  
 L119 4 S E32  
 E ROSSINI G/AU  
 L120 68 S E3-E8

L121 0 S L98,L109 AND L116-L120  
L122 2 S L54,L55,L56 AND L116-L120  
L123 49 S L116-L120 AND 22012/CC  
L124 403 S L116-L120 AND 1800#/CC  
L125 338 S L123,L124 AND PY<=1998  
L126 0 S L125 AND L122  
L127 0 S L58 AND L125

FILE 'MEDLINE' ENTERED AT 15:53:00 ON 26 FEB 2002

L128 5044 S L98  
L129 3443 S L109  
L130 5457 S L128,L129  
E BONE/CT  
L131 65 S E9+NT AND L130  
E BONE DISEASE/CT  
L132 43 S E8+NT AND L130  
L133 85 S L131,L132  
L134 4158 S L54-L56  
L135 13 S L134 AND E8+NT  
E BONE/CT  
L136 3 S E9+NT AND L134  
L137 101 S L133,L135,L136  
E HAIR/CT  
L138 1 S E3+NT AND L130,L134  
L139 2 S E110+NT AND L130  
L140 0 S E110+NT AND L134  
L141 70 S L137,L138,L139 AND PY<=1998  
L142 74 S L130,L134 AND (A14.254. OR G10.549. OR C7. OR E6. OR A12.300  
L143 15 S L130,L134 AND DENTAL?/FS  
E OSTEO/CT  
E OESTOB/CT  
E OSTEOB/CT  
E E4+ALL  
E E2+ALL  
L144 27 S E4+NT AND L130,L134  
E OSTEOPOR/CT  
E E9+ALL  
L145 9 S L130,L134 AND E5+NT  
L146 70 S L142-L145 AND PY<=1998  
L147 127 S L141,L146  
L148 23 S L147 NOT AB/FA  
L149 104 S L147 NOT L148  
SEL DN 11 19 25 92  
L150 4 S E1-E8 AND L149

FILE 'EMBASE' ENTERED AT 16:08:08 ON 26 FEB 2002

L151 11086 S L130,L134  
E BONE/CT  
L152 53 S L151 AND E3+NT  
L153 0 S L151 AND E10+NT  
L154 11 S L151 AND E40+NT  
L155 5 S L151 AND E84+NT  
L156 41 S L151 AND E107+NT  
L157 50 S L151 AND E134+NT  
L158 0 S L151 AND E171+NT  
L159 0 S L151 AND E186+NT  
L160 23 S L151 AND E201+NT  
L161 11 S L151 AND E215+NT  
L162 23 S L151 AND E237+NT  
L163 100 S L151 AND E239+NT  
L164 1 S L151 AND E292+NT  
L165 0 S L151 AND E323+NT  
L166 0 S L151 AND E335+NT  
L167 2 S L151 AND E339+NT  
L168 10 S L151 AND E391+NT  
L169 0 S L151 AND E419+NT

L170 9 S L151 AND (E656+NT OR E657+NT)  
 L171 36 S L151 AND E666+NT  
 L172 0 S L151 AND E674+NT  
 L173 4 S L151 AND E703+NT  
 L174 3 S L151 AND E704+NT  
 L175 6 S L151 AND E872+NT  
 L176 0 S L151 AND E896+NT  
 L177 0 S L151 AND E918+NT  
 L178 4 S L151 AND E920+NT  
 L179 0 S L151 AND E960+NT  
 L180 0 S L151 AND E961+NT  
 L181 0 S L151 AND E963+NT  
 L182 59 S L151 AND E970+NT  
 L183 0 S L151 AND E976+NT  
 L184 5 S L151 AND E981+NT  
 L185 8 S L151 AND E999+NT  
 E BONE TURNOVER/CT  
 E OSTEOP/CT  
 E OSTEOPOR/CT  
 L186 22 S L151 AND E5+NT  
 E HIAR/CT  
 E HAIR/CT  
 L187 1 S L151 AND E3+NT  
 L188 29 S L151 AND E40+NT  
 L189 136 S L152-L188 AND PY<=1998  
 L190 18 S L189 NOT AB/FA  
 L191 4 S L189 AND (EPOXOMICIN# OR EPOXOMYCIN? OR PS341 OR PS 341 OR PS

FILE 'BIOSIS' ENTERED AT 16:19:56 ON 26 FEB 2002

L192 3 S L122,L115

FILE 'HCAPLUS' ENTERED AT 16:21:38 ON 26 FEB 2002

FILE 'HCAPLUS, BIOSIS, MEDLINE' ENTERED AT 16:22:50 ON 26 FEB 2002

L193 8 DUP REM L97 L192 L150 (1 DUPLICATE REMOVED)

FILE 'WPIX' ENTERED AT 16:23:11 ON 26 FEB 2002

L194 10306 S EPOXOMICIN# OR EPOXOMYCIN? OR PS341 OR PS 341 OR PSI OR LACTA  
 E MUNDY G/AU  
 L195 21 S E3,E5  
 E GARRETT I/AU  
 L196 6 S E3,E5  
 E GARRETT R/AU  
 L197 9 S E3  
 E ROSSINI G/AU  
 L198 6 S E3,E4  
 E OSTEOSCREEN/PA  
 L199 10 S E3,E4  
 L200 38 S L195-L199  
 L201 2 S L194 AND L200  
 L202 22 S L200 AND (BONE OR OSTEO? OR OESTEO? OR HAIR)  
 L203 4 S L200 AND (P910 OR P911 OR P912 OR P913)/M0,M1,M2,M3,M4,M5,M6  
 L204 9 S L200 AND (A12-V02B OR A12-V04B OR B12-L03 OR C12-L03 OR B14-N  
 L205 18 S L200 AND (B12-J08 OR C12-J08 OR B14-N01 OR C14-N01 OR B12-L05  
 L206 1 S L200 AND Q252/M0,M1,M2,M3,M4,M5,M6  
 L207 2 S L201 AND L202-L206  
 L208 135 S L55,L56  
 L209 2 S L200 AND L208  
 L210 2 S L209 AND L207  
 L211 13 S L208 AND L194  
 L212 1 S L211 AND (P910 OR P911 OR P912 OR P913 OR Q252)/M0,M1,M2,M3,M  
 L213 1 S L211 AND (B12-J08 OR C12-J08 OR B14-N01 OR C14-N01 OR B12-L05  
 L214 1 S L211 AND (A12-V02B OR A12-V04B OR B12-L03 OR C12-L03 OR B14-N  
 L215 2 S L201,L212-L214

FILE 'WPIX' ENTERED AT 16:31:59 ON 26 FEB 2002

FILE 'REGISTRY' ENTERED AT 16:32:18 ON 26 FEB 2002